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7/18/04

L Number	Hits	Search Text	DB	Time stamp
-	960	(251/333).CCLS.	USPAT; US-PGPUB	2004/07/18 08:43
-	1405	251/333,129.02,129.14.ccls.	USPAT; US-PGPUB	2002/11/07 11:44
-	149	137/315.03,315.27.ccls.	USPAT; US-PGPUB	2002/11/07 11:44
-	1540	251/333,129.02,129.14.ccls. or 137/315.03,315.27.ccls.	USPAT; US-PGPUB	2002/11/07 11:44
-	0	Raymundo and Cano	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 08:20
-	4120	delphi.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/11/07 11:47
-	27	delphi.asn. and ball near3 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/26 06:08
-	6	valve near footprint	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/29 10:01
-	26	valve near3 footprint	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/11/07 11:50
-	164	(251/333,129.02,129.14.ccls. or 137/315.03,315.27.ccls.) and (ball or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft)	USPAT; US-PGPUB	2002/11/07 11:52
-	6343	(ball or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) and (137/\$.ccls. or 251/\$.ccls.)	USPAT; US-PGPUB	2002/11/07 12:54
-	56	403/\$.ccls. and ((ball or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) and (137/\$.ccls. or 251/\$.ccls.))	USPAT; US-PGPUB	2002/11/07 11:56
-	2933	303/113.1-119.3.ccls.	USPAT; US-PGPUB	2002/11/07 11:56
-	57	303/113.1-119.3.ccls. and ((ball or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) and (137/\$.ccls. or 251/\$.ccls.))	USPAT; US-PGPUB	2002/11/07 12:01
-	892	(ball or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same truncated	USPAT; US-PGPUB	2002/11/07 12:03
-	153514	(137/\$.ccls. or 251/\$.ccls.)	USPAT; US-PGPUB	2002/11/07 12:04
-	70	((137/\$.ccls. or 251/\$.ccls.)) and ((ball or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same truncated)	USPAT; US-PGPUB	2002/11/07 12:04
-	16936	(ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve	USPAT; US-PGPUB	2002/11/07 13:02
-	11	((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) and 137/315.03,315.27.ccls.	USPAT; US-PGPUB	2002/11/07 12:26
-	134	((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) and 251/333,129.02,129.14.ccls.	USPAT; US-PGPUB	2002/11/07 12:27
-	8368	((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection)	USPAT; US-PGPUB	2004/07/18 11:11
-	98	137/315.27.ccls.	USPAT; US-PGPUB	2002/11/07 12:35

-	3441	((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection) near3 (stem or pin or shaft or rod)	USPAT; US-PGPUB	2002/11/07 12:44
-	285	((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection) near3 (stem or pin or shaft or rod) same (bore or recess or hole) near3 (stem or pin or shaft or rod)	USPAT; US-PGPUB	2002/11/07 12:41
-	113	((((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection) near3 (stem or pin or shaft or rod) same (bore or recess or hole) near3 (stem or pin or shaft or rod)) and ((137/\$.ccls. or 251/\$.ccls.))	USPAT; US-PGPUB	2002/11/07 12:42
-	1258	((((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection) near3 (stem or pin or shaft or rod)) and ((137/\$.ccls. or 251/\$.ccls.))	USPAT; US-PGPUB	2002/11/07 12:45
-	1271	137/15.22,533.11,519.5,901,247.21,864,879.ccls.	USPAT; US-PGPUB	2002/11/07 12:46
-	7385	251/129.01-129.22,315.16,315.1-317.01.ccls.	USPAT; US-PGPUB	2002/11/07 12:50
-	8604	137/15.22,533.11,519.5,901,247.21,864,879.ccls. or 251/129.01-129.22,315.16,315.1-317.01.ccls.	USPAT; US-PGPUB	2002/11/07 12:50
-	1761	137/15.22,533.11,519.5,901,247.21,864,879.ccls. or 251/129.01-129.22,315.16,315.1-317.01.ccls. and (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection))	USPAT; US-PGPUB	2002/11/07 12:51
-	578	(137/15.22,533.11,519.5,901,247.21,864,879.ccls. or 251/129.01-129.22,315.16,315.1-317.01.ccls. and (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection))) and (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection)))	USPAT; US-PGPUB	2002/11/07 13:09
-	48	188/282.7.ccls.	USPAT; US-PGPUB	2002/11/07 12:53
-	28	spheroidal near3 valve	USPAT; US-PGPUB	2002/11/07 12:54
-	47	(ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve same (ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) adj4 (pressfit\$5 or snapfit or snap\$6)	USPAT; US-PGPUB	2002/11/07 13:05
-	4	((((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection)) and 137/315.03.ccls.	USPAT; US-PGPUB	2002/11/07 13:09
-	58	((((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection)) and 251/333,129.02,129.14.ccls.	USPAT; US-PGPUB	2002/11/07 13:10
-	0	Raymundo and Cano	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/06 10:15

-	0	saenz.in. and cano.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/06 10:15
-	33	delphi.asn. and ball near3 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/06 10:19
-	11	("5012982" "5048497" "5336320" "5391407" "5585176" "5688557" "5731045" "5783261" "5837357" "6062498" "6145763").PN.	USPAT	2003/02/06 10:17
-	12683	(hemispher\$5 or sphere or spherical or ball) near3 valve same (stem or pin or rod or shaft)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/06 10:28
-	0	((hemispher\$5 or sphere or spherical or ball) near3 valve same (stem or pin or rod or shaft)) same strengthen\$4 near3 (connector or connection or attach\$4 or attach\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/06 10:27
-	19	((hemispher\$5 or sphere or spherical or ball) near3 valve same (stem or pin or rod or shaft)) same strengthen\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/06 10:27
-	2727	((hemispher\$5 or sphere or spherical or ball) near3 valve same (stem or pin or rod or shaft)) same (connector or connection or attach\$4 or attach\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/06 10:28
-	707	(hemispher\$5 or sphere or spherical or ball) near3 (stem or pin or rod or shaft) same (connector or connection or attach\$4 or attach\$5) same valve near3 (hemispher\$5 or sphere or spherical or ball)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/06 10:32
-	707	(hemispher\$5 or sphere or spherical or ball) near3 (stem or pin or rod or shaft) same (connector or connection or attach\$4 or attach\$5) same valve near3 (hemispher\$5 or sphere or spherical or ball) same (hemispher\$5 or sphere or spherical or ball) near5 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/06 11:21
-	16	(round) near3 (stem or pin or rod or shaft) same (connector or connection or attach\$4 or attach\$5) same valve near3 (round) same (round) near5 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/06 11:23
-	0	6378842.URPN.	USPAT	2003/02/06 11:48
-	20	("2885179" "3379408" "3479006" "3514076" "3576309" "3997142" "4137935" "4193578" "4256285" "4257576" "4519579" "4697786" "4822000" "4911413" "5016857" "5170992" "5588638" "5618026" "5755427" "5820103").PN.	USPAT	2003/02/06 11:48
-	1	1983-704224.NRAN.	DERWENT	2003/02/06 11:57
-	1	"20030067217"	USPAT; US-PGPUB	2003/04/16 08:47
-	1	"20030067217" and joint	USPAT; US-PGPUB	2003/04/16 08:48
-	2639	(shaft or rod) near4 (ball or sphere or spherical or cone) same (ball or sphere or spherical or cone) near3 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:05
-	3	(shaft or rod) near4 (ball or sphere or spherical or cone) same (joint or connection) near4 strengthen\$4 same (ball or sphere or spherical or cone) near3 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 09:26
-	1	("6367774").PN.	USPAT; US-PGPUB	2003/04/16 09:26
-	1	("6322050").PN.	USPAT; US-PGPUB	2003/04/16 09:31
-	25	("3948533" "3949965" "4161187" "4346730" "4662392" "4719074" "4722825" "4771803" "4795133" "4810585" "4815704" "4834042" "4871621" "4932432" "4936546" "5015609" "5183068" "5297580" "5365661" "5386967" "5566923" "5906354" "5977487" "5979873" "6178638").PN.	USPAT	2003/04/16 09:27

-	25	("3948533" "3949965" "4161187" "4346730" "4662392" "4719074" "4722825" "4771803" "4795133" "4810585" "4815704" "4834042" "4871621" "4932432" "4936546" "5015609" "5183068" "5297580" "5365661" "5386967" "5566923" "5906354" "5977487" "5979873" "6178638").PN.	USPAT	2003/04/16 09:29
-	191	(251/315.16).CCLS.	USPAT;	2003/04/16 09:31
-	12	((shaft or rod) near4 (ball or sphere or spherical or cone) same (ball or sphere or spherical or cone) near3 valve) and 403/\$.ccls.	US-PGPUB USPAT;	2003/04/16 09:33
-	1044	(shaft or rod) near4 (ball or sphere or spherical) and 403/\$.ccls.	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 09:35
-	205	((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) and 403/\$.ccls.)	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 09:37
-	210	(shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) and 403/\$.ccls.	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 09:42
-	7	(shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) same valve and 403/\$.ccls.	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 09:46
-	502	((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) and 403/\$.ccls.) or ((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) same valve near4 (ball or sphere or spherical))	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 09:48
-	210	((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) and 403/\$.ccls.) or ((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) same valve near4 (ball or sphere or spherical))) and 403/\$.ccls.	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 09:49
-	295	(shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) same valve near4 (ball or sphere or spherical)	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 09:53
-	2378	(shaft or rod) near4 (ball or sphere or spherical) same (ball or sphere or spherical) near3 valve	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 10:06
-	40094	(ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint)	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 10:11
-	40	((shaft or rod) near4 (ball or sphere or spherical) same (ball or sphere or spherical) near3 valve) same ((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint))	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 10:08
-	14320	(ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 10:18
-	923	((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)) same valve	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 10:14
-	8	(((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)) same valve) and 403/\$.ccls.	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 10:17
-	14	(((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)) same valve) and 303/\$.ccls.	US-PGPUB; EPO; JPO; DERWENT USPAT;	2003/04/16 10:18

-	88	(((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)) same valve) and 251/\$.ccls.	USPAT; US-PGPUB	2003/04/16 10:21
-	125	(rod near3 ball) adj3 connection	USPAT; US-PGPUB	2003/04/16 10:25
-	97	(shaft near3 ball) adj3 connection	USPAT; US-PGPUB	2003/04/16 10:22
-	548	(shaft near3 ball) adj3 joint	USPAT; US-PGPUB	2003/04/16 10:23
-	28	((shaft near3 ball) adj3 joint) same valve	USPAT; US-PGPUB	2003/04/16 10:23
-	15	((shaft near3 ball) adj3 connection) same valve	USPAT; US-PGPUB	2003/04/16 10:23
-	10	((rod near3 ball) adj3 connection) same valve	USPAT; US-PGPUB	2003/08/08 09:31
-	53	((((shaft near3 ball) adj3 joint) same valve) or (((shaft near3 ball) adj3 connection) same valve) or (((rod near3 ball) adj3 connection) same valve)	USPAT; US-PGPUB	2003/04/16 10:23
-	1747	((rod or stem or shaft) near3 (truncated or sphere or spherical or ball)) near8 (affix or affixed or attachment or attach or fastener or connector or connection)	USPAT; US-PGPUB	2003/04/16 10:29
-	1484	((rod or stem or shaft) near3 (truncated or sphere or hemisphere or hemispherical or ball)) near8 (affix or affixed or attachment or attach or fastener or connector or connection)	USPAT; US-PGPUB	2003/04/16 10:38
-	176	((((rod or stem or shaft) near3 (truncated or sphere or hemisphere or hemispherical or ball)) near8 (affix or affixed or attachment or attach or fastener or connector or connection)) same valve	USPAT; US-PGPUB	2003/04/16 10:32
-	133	((((rod or stem or shaft) near3 (truncated or sphere or hemisphere or hemispherical or ball)) near8 (affix or affixed or attachment or attach or fastener or connector or connection)) same valve near8 (truncated or sphere or hemisphere or hemispherical or ball)	USPAT; US-PGPUB	2003/04/16 10:38
-	141	((rod or stem or shaft) near3 (truncated or sphere or hemisphere or hemispherical or ball)) near8 (affix or affixed or attachment or attach or fastener or connector or connection) same valve near8 (truncated or sphere or hemisphere or hemispherical or ball)	USOCR	2003/04/16 10:40
-	611	303/dig\$.ccls.	USPAT; US-PGPUB	2003/04/16 13:04
-	27	303/dig\$.ccls. and pressure adj gradient	USPAT; US-PGPUB	2003/04/16 13:05
-	0	303/dig\$.ccls. and pressure adj gradient same leak	USPAT; US-PGPUB	2003/04/16 13:05
-	238	pressure adj gradient same leak	USPAT; US-PGPUB	2003/04/16 13:05
-	268	pressure near4 gradient same leak	USPAT; US-PGPUB	2003/04/16 13:08
-	4	pressure near4 gradient same leak same brak\$4	USPAT; US-PGPUB	2003/04/16 13:10
-	15	(pressure near4 gradient same leak) and brak\$4	USPAT; US-PGPUB	2003/04/16 13:08
-	4	pressure near4 gradient same leak same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/16 13:10
-	138	pressure near4 (change or fluctuation or variation or drop) same leak same brak\$4	USPAT; US-PGPUB	2003/04/16 13:15
-	128	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) and 303/dig\$.ccls.	USPAT; US-PGPUB	2003/04/16 13:17
-	2	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) and 303/dig\$.ccls.	USPAT; US-PGPUB	2003/04/16 13:19
-	2	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) and 701/\$.ccls.	USPAT; US-PGPUB	2003/04/16 13:18
-	0	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) and 702/\$.ccls.	USPAT; US-PGPUB	2003/04/16 13:19
-	0	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) same model	USPAT; US-PGPUB	2003/04/16 13:19
-	2	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) and 73/\$.ccls.	USPAT; US-PGPUB	2003/04/16 13:19

-	6	((brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) and 303/dig\$.ccls.) or ((brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) and 701/\$.ccls.) or ((brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) and 73/\$.ccls.)	USPAT; US-PGPUB	2003/04/16 13:19
-	30	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) and 303/\$.ccls.	USPAT; US-PGPUB	2003/04/16 13:23
-	0	6450591.URPN.	USPAT	2003/04/16 13:21
-	6	("5567021" "5779327" "5951120" "5979997" "5997106" "6007164").PN.	USPAT	2003/04/16 13:21
-	1	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) same transducer	USPAT; US-PGPUB	2003/04/16 13:24
-	255	absolute adj4 pressure same brak\$4	USPAT; US-PGPUB	2003/04/16 13:35
-	18	absolute adj4 pressure same brak\$4 same gradient	USPAT; US-PGPUB	2003/04/16 13:32
-	1	integral adj4 pressure same brak\$4 same gradient	USPAT; US-PGPUB	2003/04/16 13:32
-	5	derivative adj4 pressure same brak\$4 same gradient	USPAT; US-PGPUB	2003/04/16 13:33
-	92	absolute adj4 pressure same brak\$4 and 303/\$.ccls.	USPAT; US-PGPUB	2003/04/16 13:35
-	2	absolute adj4 pressure same brak\$4 same (leak\$4 or loss) and 303/\$.ccls.	USPAT; US-PGPUB	2003/04/16 13:36
-	8	valve near footprint	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/02 11:04
-	1	(US-20030067217-\$).did.	US-PGPUB	2003/06/02 11:03
-	0	((US-20030067217-\$).did.) and anled adj surface	US-PGPUB	2003/06/02 11:03
-	0	((US-20030067217-\$).did.) and angled adj surface	US-PGPUB	2003/06/02 11:03
-	0	((US-20030067217-\$).did.) and angled adj2 surface	US-PGPUB	2003/06/02 11:03
-	1	((US-20030067217-\$).did.) and angled	US-PGPUB	2003/06/02 11:03
-	1	((US-20030067217-\$).did.) and angled	US-PGPUB	2003/06/02 11:04
-	1	((US-20030067217-\$).did.) and angled	US-PGPUB	2003/06/02 11:04
-	0	valve near footprint and delphi.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/02 11:05
-	0	valve near3 footprint and delphi.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/02 11:05
-	0	valve near4 footprint and delphi.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/02 11:06
-	8	valve near footprint	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/02 11:06
-	0	valve near footprint same angled	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/02 11:07
-	3	valve near footprint and angled	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/02 11:07
-	1	("6543791").PN.	USPAT; US-PGPUB	2003/06/03 05:12
-	0	Raymundo.in. and Cano.in. and delphi.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 08:21

-	0	saenz.in. and cano.in. and delphi.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 08:22
-	1	saenz.in. and cano.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 08:22
-	355	(rod or shaft or stem) near3 ball same connection same valve	USPAT; US-PGPUB	2003/08/08 09:32
-	13	((rod or shaft or stem) near3 ball same connection same valve) and 303/\$.ccls.	USPAT; US-PGPUB	2003/08/08 09:33
-	123	((rod or shaft or stem) near3 ball same connection same valve) and 251/\$.ccls.	USPAT; US-PGPUB	2003/08/08 09:33
-	15	((rod or shaft or stem) near3 ball same connection same valve) and 239/\$.ccls.	USPAT; US-PGPUB	2003/08/08 09:34
-	94	((rod or shaft or stem) near3 ball same connection same valve) and 137/\$.ccls.	USPAT; US-PGPUB	2003/08/08 09:34
-	9	valve near footprint	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/29 10:14
-	2557	valve same ball same joint	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/29 10:14
-	1028	valve same ball same joint same (shaft or rod or plunger)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/29 10:15
-	1028	valve same ball same joint same (shaft or rod or plunger)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/29 10:16
-	118	valve near4 (spher\$6 or ball) same joint same (shaft or rod or plunger) near4 (spher\$6 or ball)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/29 10:22
-	3784	valve near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/29 10:22
-	181	valve near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (spher\$6 or ball) near5 (angle or angled or taper\$4 or cylindrical or truncat\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/29 10:41
-	24683	valve near4 (sphere or spherical or ball)	USOCR	2003/08/29 10:35
-	25994	(shaft or rod or plunger) near4 (sphere or spherical or ball)	USOCR	2003/08/29 10:36
-	1982	(valve near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball))	USOCR	2003/08/29 10:36
-	12687	(sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated)	USOCR	2003/08/29 10:37
-	105	((valve near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball))) same ((sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated))	USOCR	2003/08/29 10:37
-	4348	valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/29 10:41
-	4348	valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/29 10:42
-	38036	valve same (spher\$6 or ball) same (shaft or rod or plunger)	USOCR	2003/08/29 10:42
-	14772	(valve same (spher\$6 or ball) same (shaft or rod or plunger)) same (angle or angled or taper\$4 or cylindrical or truncat\$5)	USOCR	2003/08/29 10:43

-	141	((valve same (spher\$6 or ball) same (shaft or rod or plunger)) same (angle or angled or taper\$4 or cylindrical or truncat\$5)) and 303/\$.ccls.	USOCR	2003/08/29 10:43
-	1	("6155642").PN.	USPAT;	2003/09/03 06:08
-	73	oohiro.asn.	US-PGPUB	2003/09/03 06:09
-	5	("3596982" "3698673" "3964725" "4173372" "4344594").PN.	USPAT;	2003/09/03 06:08
-	5819	(oil or hydraulic) adj2 cylinder same lifting	USPAT;	2003/09/03 06:10
-	1167	(oil or hydraulic) adj2 cylinder same lifting same piston same (rod or shaft)	US-PGPUB	2003/09/03 06:11
-	7	(oil or hydraulic) adj2 cylinder same lifting same piston same (rod or shaft) same stopper	USPAT;	2003/09/03 06:12
-	229	(oil or hydraulic) adj2 cylinder same lifting same piston same (rod or shaft) same (link or lever)	US-PGPUB	2003/09/03 06:15
-	3	((oil or hydraulic) adj2 cylinder same lifting same piston same (rod or shaft) same (link or lever)) and 92/\$.ccls.	USPAT;	2003/09/03 06:13
-	25	((oil or hydraulic) adj2 cylinder same lifting same piston same (rod or shaft) same (link or lever)) and 254/\$.ccls.	US-PGPUB	2003/09/03 06:14
-	1	((oil or hydraulic) adj2 cylinder same lifting same piston same (rod or shaft) same (link or lever)) and 267/\$.ccls.	USPAT;	2003/09/03 06:14
-	4	((oil or hydraulic) adj2 cylinder same lifting same piston same (rod or shaft) same (link or lever)) and 188/\$.ccls.	US-PGPUB	2003/09/03 06:14
-	40	(oil or hydraulic) adj2 cylinder same lifting same piston same (rod or shaft) same (link or lever) same (base or pedestal)	USPAT;	2004/07/14 05:51
-	47	29/898.044.ccls.	US-PGPUB	2003/09/03 10:40
-	341	29/898.044,441.1.ccls.	USPAT;	2003/09/03 11:30
-	132	29/898.044,441.1.ccls.	US-PGPUB	2003/09/03 11:30
-			USOCR	2003/09/03 11:30

	148	("6084493" "4628499" "4932311" "6360854" "6513631" "4907842" "5526731" "5655819" "4848849" "4861114" "5239828" "5290120" "5477824" "5614778" "5618087" "3669403" "4179164" "4078385" "4330995" "4331364" "4387934" "4399736" "4445671" "4462300" "4462571" "4478390" "4500074" "4515042" "4574654" "4882976" "4884492" "4934248" "4967643" "4986727" "5176017" "5230134" "5275086" "5456137" "5542315" "5687765" "5692812" "5789719" "5860448" "5915927" "5987887" "6161380" "6186042" "6213566" "6213566" "6289872").pn. ("6470790" "4579141" "5323741" "5449055" "4297981" "4313314" "4329954" "4498371" "4565208" "4784095" "4838722" "5404898" "5492145" "5520367" "5562016" "5775470" "5826753" "4071038" "4269182" "4316486" "4346558"	USPAT; US-PGPUB	2004/04/26 06:07
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	12	("6084493" "4628499" "4932311" "6360854" "6513631" "4907842" "5526731" "5655819" "4848849" "4861114" "5239828" "5290120" "5477824" "5614778" "5618087" "3669403" "4179164" "4078385" "4330995" "4331364" "4387934" "4399736" "4445671" "4462300" "4462571" "4478390" "4500074" "4515042" "4574654" "4882976" "4884492" "4934248" "4967643" "4986727" "5176017" "5230134" "5275086" "5456137" "5542315" "5687765" "5692812" "5789719" "5860448" "5915927" "5987887" "6161380" "6186042" "6213566" "6213566" "6289872").pn. ("6470790" "4579141" "5323741" "5449055" "4297981" "4313314" "4329954" "4498371" "4565208" "4784095" "4838722" "5404898" "5492145" "5520367" "5562016" "5775470" "5826753" "4071038" "4269182" "4316486" "4346558"	USPAT; US-PGPUB	2004/04/26 06:07
Search History 7/18/04 12:18:09 PM Page 10 C:\APPS\least\workspaces\09974739.wsp				

-	48	delphi.asn. and ball near3 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:21
-	50	delphi.asn. and ball near3 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:33
-	9	"1318056"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:42
-	6430	ball with valve with (rod or plunger)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:42
-	2513	ball with valve with (rod or plunger) same ball with seat	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:43
-	166	ball with valve with (rod or plunger) same ball with seat same ball with (truncated or cylindrical or larger adj end)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:45
-	11	ball with valve with (rod or plunger) same ball with seat same ball with (truncated or cylindrical or larger adj end or stem or pin) with (pressfit or pressfitted or pressed)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:46
-	0	(sphere or spherical) with valve with (rod or plunger) same ball with seat same ball with (truncated or cylindrical or larger adj end or stem or pin) with (pressfit or pressfitted or pressed)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:47
-	1	(sphere or spherical) with valve with (rod or plunger) same (sphere or spherical) with seat same (sphere or spherical) with (truncated or cylindrical or larger adj end or stem or pin) with (pressfit or pressfitted or pressed)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:48
-	7796	(sphere or spherical or ball or ballshaped or ballshape) near5 valve with (rod or plunger or shaft)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:49
-	8018	(sphere or spherical or ball or ballshaped or ballshape) near5 valve with (rod or plunger or shaft or reciprocating)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:49
-	878	(sphere or spherical or ball or ballshaped or ballshape) near5 (middle or central or intermediate) with concav\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:51
-	46	(sphere or spherical or ball or ballshaped or ballshape) near5 (middle or central or intermediate) with concav\$5 same valve with (sphere or spherical or ball or ballshaped or ballshape)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:55
-	881	(sphere or spherical or ball or ballshaped or ballshape) with concav\$5 same valve with (sphere or spherical or ball or ballshaped or ballshape)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:56
-	0	(sphere or spherical or ball or ballshaped or ballshape) with concav\$5 with valve same (sphere or spherical or ball or ballshaped or ballshape) with pressfit\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 12:56
-	81	(sphere or spherical or ball or ballshaped or ballshape) with concav\$5 with valve same (sphere or spherical or ball or ballshaped or ballshape) near5 (rod or shaft or stem or plunger)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 13:10
-	327	(sphere or spherical or ball or ballshaped or ballshape) with concav\$5 with valve with seat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 13:15

6	(sphere or spherical or ball or ballshaped or ballshape) with concav\$5 with valve with seat\$4 same (sphere or spherical or ball or ballshaped or ballshape) with (fixed or fastened or attached or press adj fit\$4 or pressfit\$4 or inserted) with (rod or shaft or plunger)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 13:17
29	saenz.in. and valve	USPAT; US-PGPUB	2004/07/13 13:40
1	(20020167402").PN.	USPAT; US-PGPUB	2004/07/14 05:37
0	("clockspring").PN.	USPAT; US-PGPUB	2004/07/14 05:39
5	((("5,655,920") or ("5,256,075") or ("4,696,523") or ("4,975,063") or ("4,925,122"))).PN.	USPAT; US-PGPUB	2004/07/14 05:39
4	"10261591"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/14 05:51
167	411/\$.ccls. and valve with (rod or stem or shaft)	USPAT; US-PGPUB	2004/07/18 08:50
70	411/\$.ccls. and valve with (rod or stem or shaft) and valve.ab.	USPAT; US-PGPUB	2004/07/18 09:00
23	3761053.URPN.	USPAT	2004/07/18 08:56
5	("3049332" "1326430" "3572633" "1411904" "0632502").PN.	USPAT	2004/07/18 08:57
3	3572633.URPN.	USPAT	2004/07/18 08:58
3	("0001979" "2088666" "2143399").PN.	USPAT	2004/07/18 08:59
304	411/\$.ccls. and valve with (rod or stem or shaft)	USOCR	2004/07/18 09:00
55	411/\$.ccls. and valve with (rod or stem or shaft) same (ball or sphere or spherical or barrel or barrelshaped)	USOCR	2004/07/18 09:02
3	valve with (rod or stem or shaft) same (rivet adj shap\$4 or rivetshap\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/18 09:05
11023	valve with (rod or stem or shaft) with (ballshaped or ball or spherical)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/18 09:06
27	valve with (rod or stem or shaft) with (ballshaped or ball or spherical) same (middle or central or intermediate) near4 (ring or groove) with (ballshaped or ball or spherical)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/18 09:10
0	valve with (rod or stem or shaft) with (ballshaped or ball or spherical) same (middle or central or intermediate) near4 (indent or indentatation or furrow) with (ballshaped or ball or spherical)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/18 09:10
110	valve with (rod or stem or shaft) with (ballshaped or ball or spherical) same ends! with (groove or recess or ring or indent or indentatation or furrow) with (ballshaped or ball or spherical)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/18 09:13
539	(251/86).CCLS.	USPAT; US-PGPUB	2004/07/18 09:14
78	251/86.ccls. and (ball or ballshaped or sphere or spherical) with valve	USPAT; US-PGPUB	2004/07/18 09:20
97	251/86.ccls. and (ball or ballshaped or sphere or spherical) with valve	USOCR	2004/07/18 09:53
2	barbell\$4 near5 valve with (rod or shaft or stem)	USPAT; US-PGPUB	2004/07/18 09:20
3	3341169.URPN.	USPAT	2004/07/18 09:33
6	3326513.URPN.	USPAT	2004/07/18 09:46
1	2147332.URPN.	USPAT	2004/07/18 09:52
75	251/333-334.ccls. and (ball or ballshaped or sphere or spherical) with valve	USOCR	2004/07/18 09:53
66	251/333-334.ccls. and (ball or ballshaped or sphere or spherical) with valve	USPAT; US-PGPUB	2004/07/18 10:16
3	4811868.URPN.	USPAT	2004/07/18 09:55
8	("2867356" "2985342" "3055560" "3073489" "4135648" "4427137" "4577784" "4597512").PN.	USPAT	2004/07/18 09:55
8	("2867356" "2985342" "3055560" "3073489" "4135648" "4427137" "4577784" "4597512").PN.	USPAT	2004/07/18 09:57

-	0	1974296.URPN.	USPAT	2004/07/18 10:03
-	957	251/357.ccls.	USPAT; US-PGPUB	2004/07/18 10:18
-	4	3213524.URPN.	USPAT	2004/07/18 10:45
-	17	((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) with valve same (mount or rod or stem or pin or shaft) same valve) with (pressfit\$4 or pushfit\$ or push adj fit\$5 or press adj fit\$4) near5 (ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal)	USPAT; US-PGPUB	2004/07/18 11:15
-	31	valve with (pressfit\$4 or pushfit\$ or push adj fit\$5 or press adj fit\$4) near5 (ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) with (mount or rod or stem or pin or shaft)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/18 11:25
-	8	("3865140" "4624282" "4961444" "5346176" "5364067" "5439279" "5681097" "5778918").PN.	USPAT	2004/07/18 11:17
-	39	(ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) with (mount or rod or stem or pin or shaft) and 137/15.18,454.2.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/18 11:46
-	35	(ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) with (mount or rod or stem or pin or shaft) and 137/15.18,454.2.ccls.	USOCR	2004/07/18 11:21
-	29	(ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) with (mount or rod or stem or pin or shaft) and 137/357-368.ccls.	USOCR	2004/07/18 11:22
-	29	(ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) with (mount or rod or stem or pin or shaft) and 137/357-368.ccls.	USPAT; US-PGPUB	2004/07/18 11:24
-	5148	(ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) with (mount or rod or stem or pin or shaft) and (137/\$.ccls. or 251/\$.ccls.)	USPAT; US-PGPUB	2004/07/18 11:25
-	3471	(ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) with (mount or rod or stem or pin or shaft) with valve and (137/\$.ccls. or 251/\$.ccls.)	USPAT; US-PGPUB	2004/07/18 11:26
-	52	(ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) with (mount or rod or stem or pin or shaft) with valve same (pressfit\$4 or pushfit\$ or push adj fit\$5 or press adj fit\$4) and (137/\$.ccls. or 251/\$.ccls.)	USPAT; US-PGPUB	2004/07/18 11:29
-	40	(ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) with (mount or rod or stem or pin or shaft) with valve same (deformable or deformably or pressfit\$4 or pushfit\$ or push adj fit\$5 or press adj fit\$4) with (ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal)and (137/\$.ccls. or 251/\$.ccls.)	USPAT; US-PGPUB	2004/07/18 11:32
-	139	(ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve same (deformable or deformably or pressfit\$4 or pushfit\$ or push adj fit\$5 or press adj fit\$4) same (ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal)and (137/\$.ccls. or 251/\$.ccls.)	USPAT; US-PGPUB	2004/07/18 11:33
-	4896	(ball or rounded adj face or partially adj round or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve same (deformable or deformably or pressfit or pressfitted or pushfit or push fitted or press fitting or push adj fit or press adj fit) same (ball or rounded adj face or spherical or truncated near2 sphere or spheroidal)and (137/\$.ccls. or 251/\$.ccls.)	USOCR	2004/07/18 11:35
-	4896	(ball or rounded adj face or partially adj round or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve same (deformable or deformably or pressfit or pressfitted or pushfit or push fitted or press fitting or push adj fit or press adj fit) and (137/\$.ccls. or 251/\$.ccls.)	USOCR	2004/07/18 11:36

-	4891	(ball or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve same (deformable or deformably or pressfit or pressfitted or pushfit or push fitted or press fitting or push adj fit or press adj fit) and (137/\$.ccls. or 251/\$.ccls.)	USOCR	2004/07/18 11:37
-	738	(ball or spherical or truncated near2 sphere or spheroidal) near5 (deformable or deformably or pressfit or pressfitted or pushfit or push fitted or press fitting or push adj fit or press adj fit) same (mount or rod or stem or pin or shaft) same valve and (137/\$.ccls. or 251/\$.ccls.)	USOCR	2004/07/18 11:37
-	429	(ball or spherical or truncated near2 sphere or spheroidal) near5 (deformable or deformably or pressfit or pressfitted or pushfit or push fitted or press fitting or push adj fit or press adj fit) same (mount or rod or stem or pin or shaft) near5 valve and (137/\$.ccls. or 251/\$.ccls.)	USOCR	2004/07/18 11:38
-	178	(ball or round or spherical or truncated near2 sphere or spheroidal) near5 valve with (mount or rod or stem or pin or shaft) same (pressed or pushfit\$4 or fit adj into or pressfit\$4 or press adj fit\$5) near3 (ball or round or spherical or truncated near2 sphere or spheroidal)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/18 11:48
-	136	(ball or round or spherical or truncated near2 sphere or spheroidal) near5 valve with (mount or plunger or rod or stem or pin or shaft) same (pressed or pushfit\$4 or fit adj into or pressfit\$4 or press adj fit\$5) near3 (ball or round or spherical or truncated near2 sphere or spheroidal) with (rod or shaft or stem or plunger)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/18 11:48
-	136	(ball or round or spherical or truncated near2 sphere or spheroidal) near5 valve with (mount or plunger or rod or stem or pin or shaft) same (pressed or pushfit\$4 or fit adj into or pressfit\$4 or press adj fit\$5) near3 (ball or round or spherical or truncated near2 sphere or spheroidal) with (rod or shaft or stem or plunger)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/18 11:54